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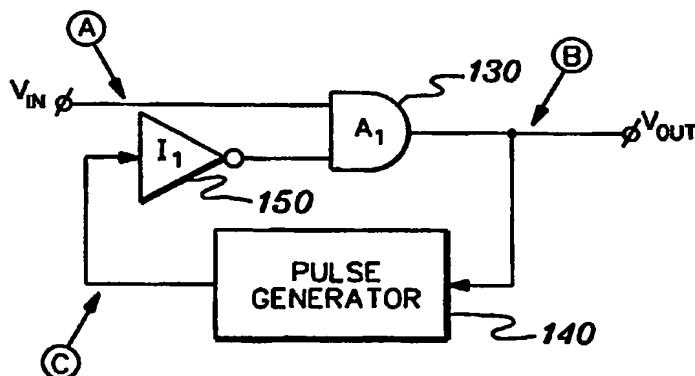
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— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,

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(54) Title: DIGITAL FILTER CIRCUIT AND METHOD FOR BLOCKING A TRANSMISSION LINE REFLECTION SIGNAL



(57) Abstract: A digital blocking filter (120) and filtering method are provided for a device (100) receiving signals from a transmission line. The transmission line, which may comprise part of a complex bus system, is incompletely terminated, thereby resulting in a reflection signal within the line with transmission of a signal. The digital blocking filter (120) includes a pulse generator (140) for generating a masking pulse timed and of sufficient duration to substantially block at the device (100) the reflection signal, and logic (130) for combining the masking pulse and a received signal from the transmission line, thereby substantially blocking the reflection signal. Circuitry for handling reflection signals of various duration, as well as for substantially blocking a reflection signal on either a falling edge or a rising edge of a state change in the received signal are provided.

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*CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK,*

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**A. CLASSIFICATION OF SUBJECT MATTER**  
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**B. FIELDS SEARCHED**Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 H04B H04L H03K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 664 612 A (ADVANCED MICRO DEVICES INC) 26 July 1995 (1995-07-26) page 2, column 1, line 17 -column 2, line 39; figure 1 page 4, column 5, line 29 - line 39; figure 5 page 5, column 7, line 12 - line 24 --- US 5 113 098 A (TEYMOURI SASSAN) 12 May 1992 (1992-05-12) column 1, line 6 - line 55 column 2, line 50 -column 3, line 15; figure 2 column 3, line 55 -column 5, line 17; figure 4 --- -/--	1,7, 9-11, 17-21
X		1,7, 9-11, 17-21

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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- "A" document defining the general state of the art which is not considered to be of particular relevance
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 940 448 A (KUO JAMES R) 17 August 1999 (1999-08-17) column 3, line 55 -column 4, line 19; figure 4 -----	1,17,21

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International

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